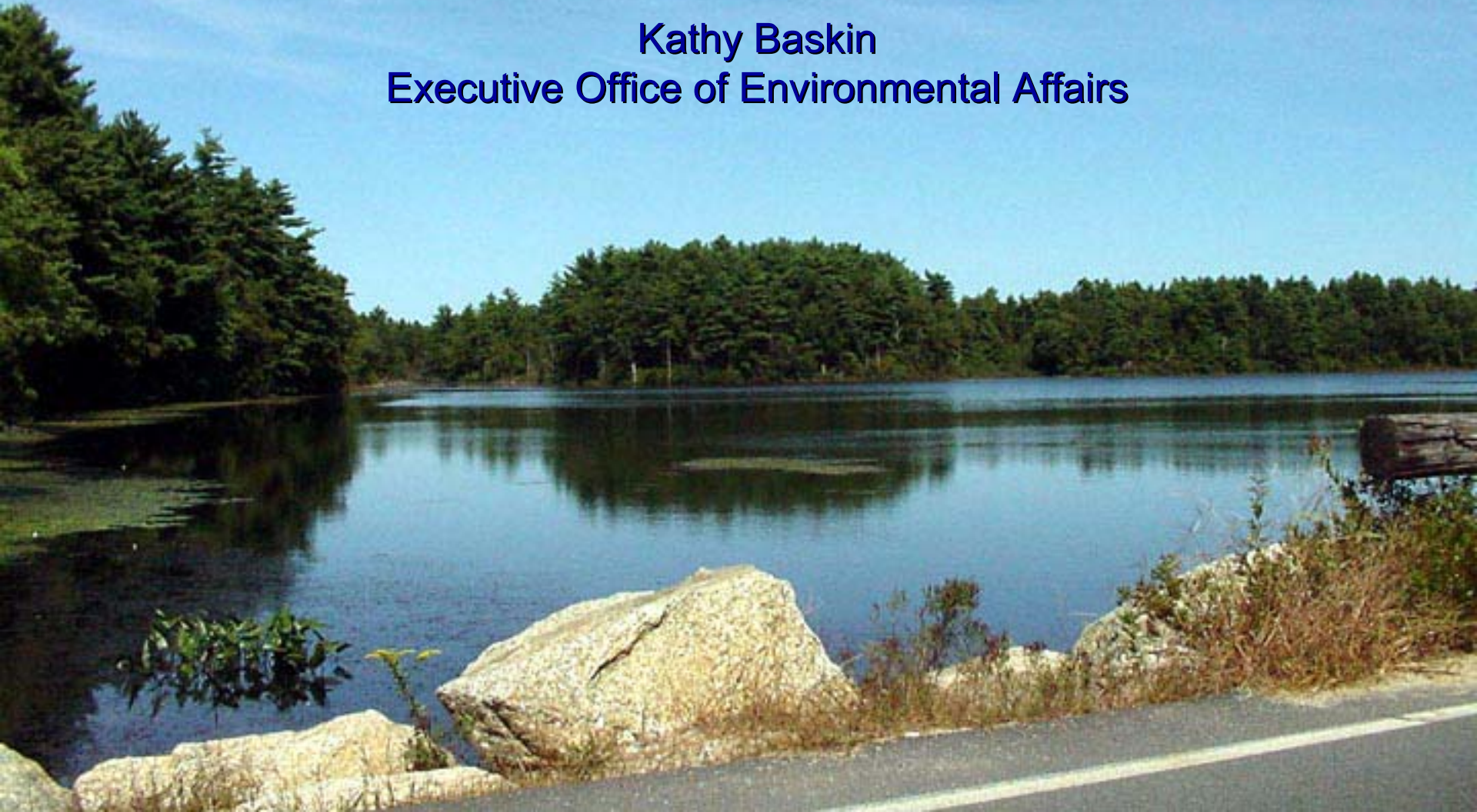
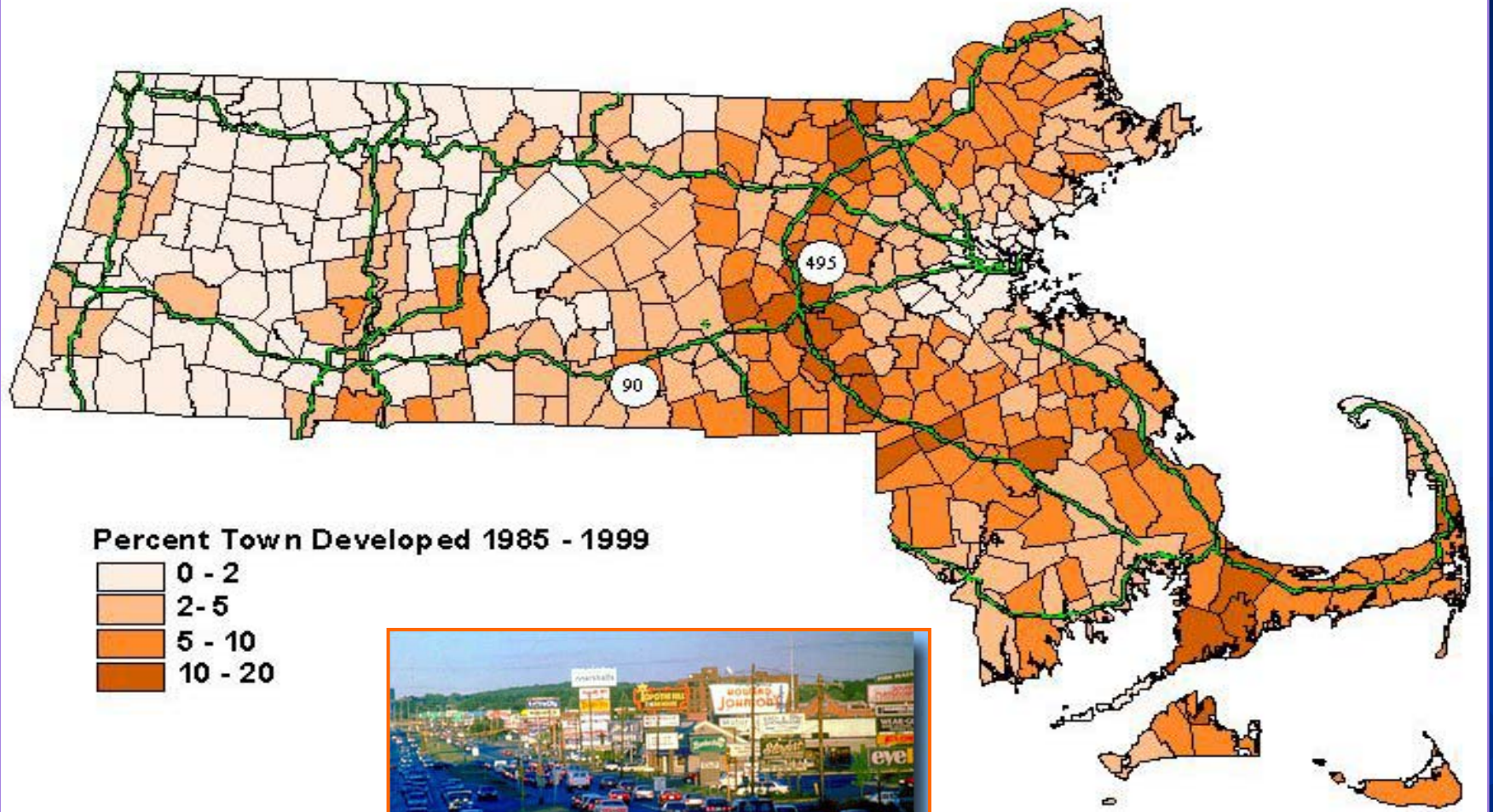


Massachusetts Water Policy

Kathy Baskin
Executive Office of Environmental Affairs

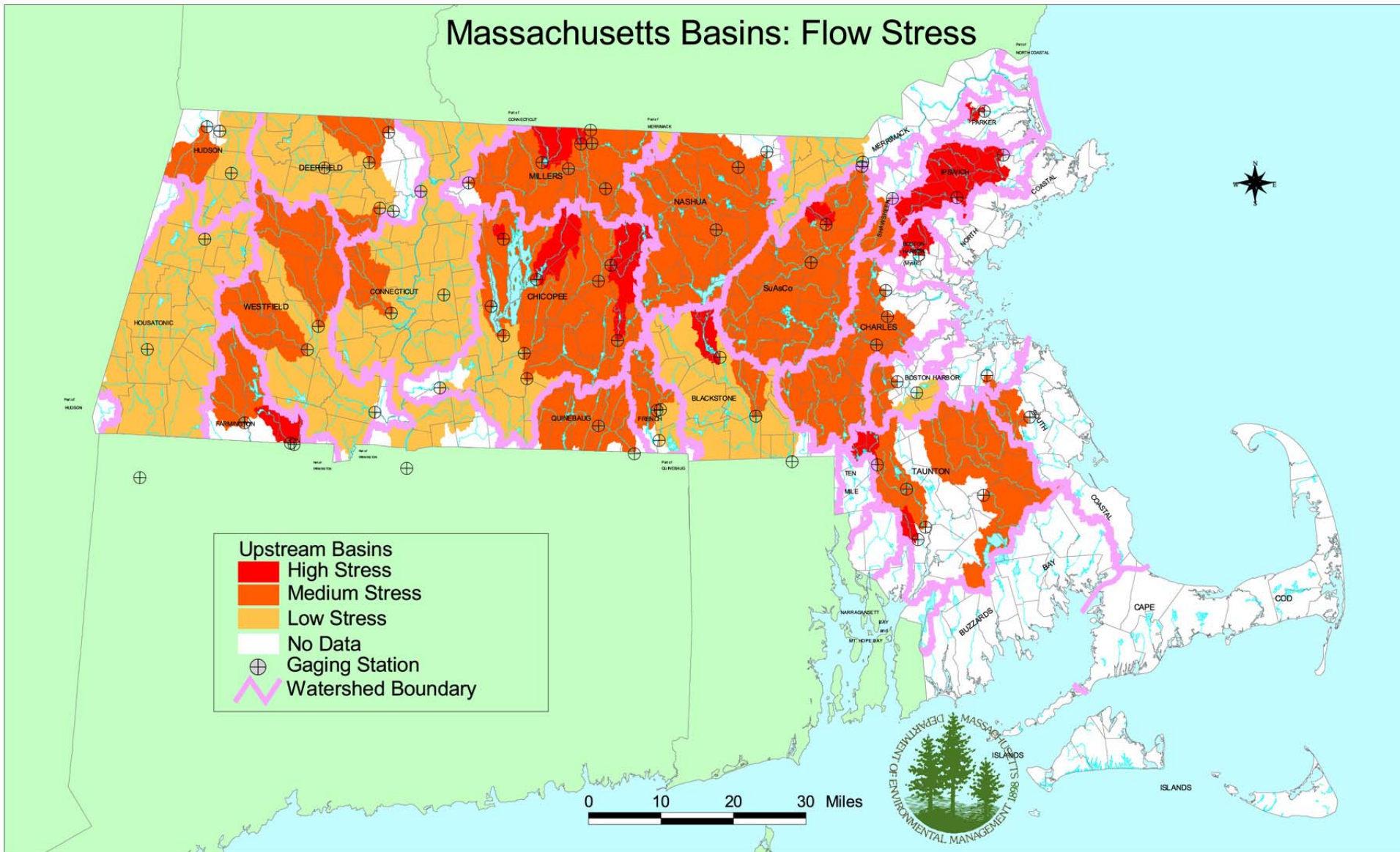


New Development 1985 - 1999



1990-2000: 333,000+
new residents

Stressed Basins



Environmental Impacts of Low Flow

■ Water quality

- pollutant concentrations
- temperature
- dissolved oxygen



■ Physical

- fish passage
- wetlands
- aesthetics
- recreation



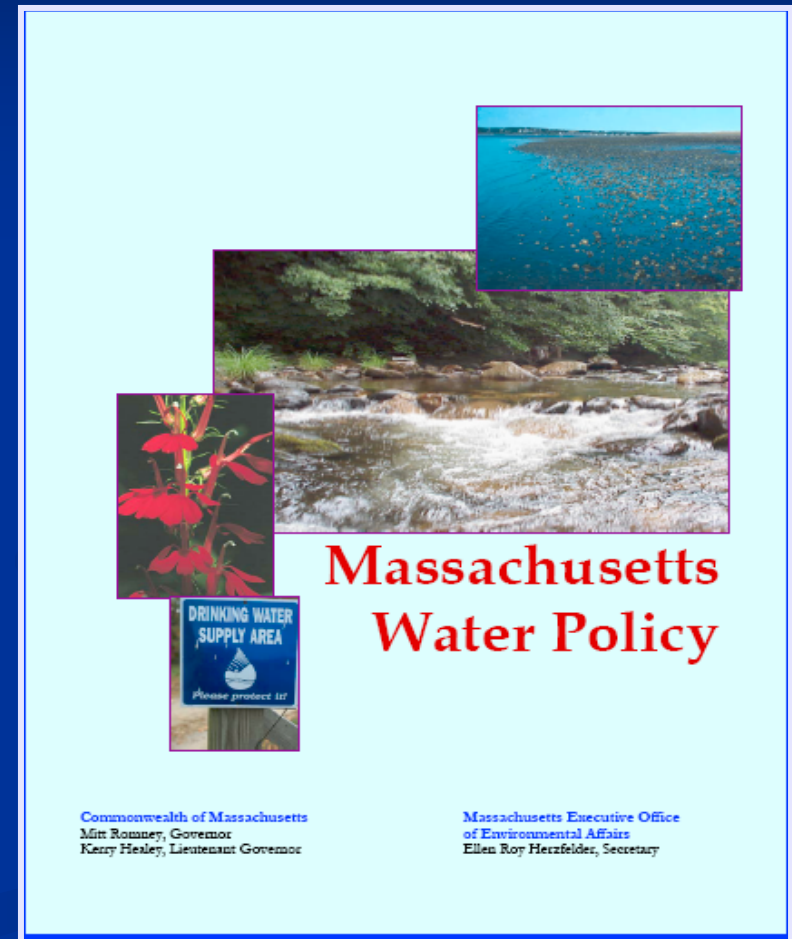
Economic Impacts of Low Flow

- Water shortages and bans
- Building moratoriums



MA Water Policy - 2004

- Multi-stakeholder input
- Addresses **all aspects** of water use
- Emphasis on water quantity
- All EOEA agencies engaged in implementation
 - (OTA technical assistance in industrial water conservation and wastewater treatment and reuse)



Stressed Basins: Definition and Remediation

- Index streamflows
- Refine stress definition
- Performance standards and mitigation
 - Pricing, technology, water offsets
- Water conservation
 - Updated Water Conservation Standards

Update Water Conservation Standards

- 1) Comprehensive Planning
- 2) Water Audits and Leak Detection
- 3) Metering
- 4) Pricing
- 5) Residential
- 6) Public Sector
- 7) Industrial, Commercial and Institutional
- 8) Agricultural
- 9) Lawn and Landscape
- 10) Public Education and Outreach

*new sections highlighted in orange

Guidance for Communities

- Water Budgets
- Integrated Water Resources Management Planning guidance
 - DEP finalizing guidance
- Smart Growth Tool Kit
 - LID, planning, zoning, subdivision techniques, bylaws
- Fix-it-first strategies

Promote Wastewater Reuse

- DEP's wastewater reuse regulations
- Reduce infiltration and inflow
 - 2/3 of flow to Deer I.



Promote Stormwater Recharge

- DEP's Stormwater Management Advisory Committee
 - focused on recharge
- Introduction of LID principles through MEPA
- Promotion of stormwater utilities
 - i.e. Chicopee



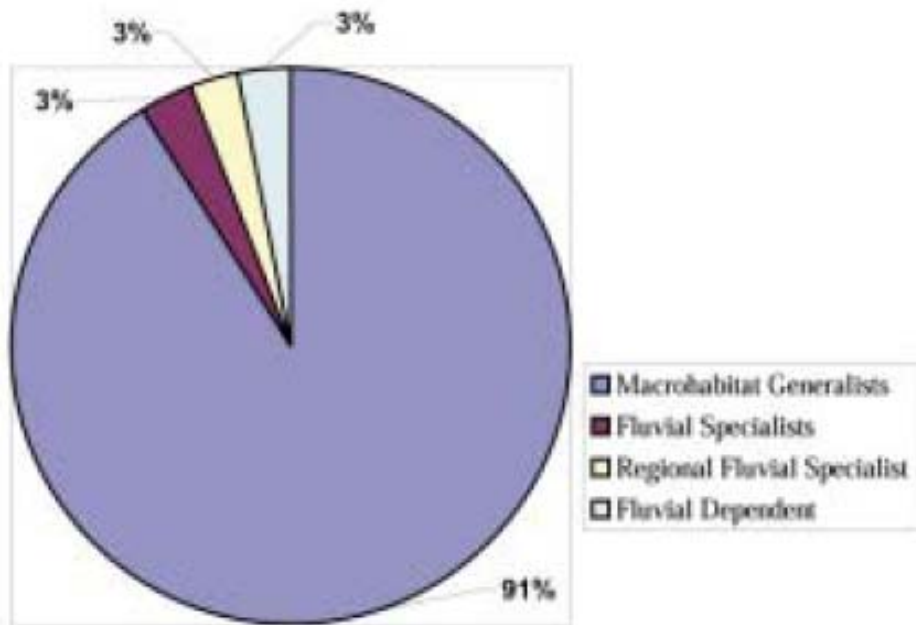
Effectively Manage Water Supplies

- New Source Approval streamlining
- Drinking Water Supply Protection Grants
- Desalination Policy
 - (Plants proposed in Aquaria, Swansea, Hull)

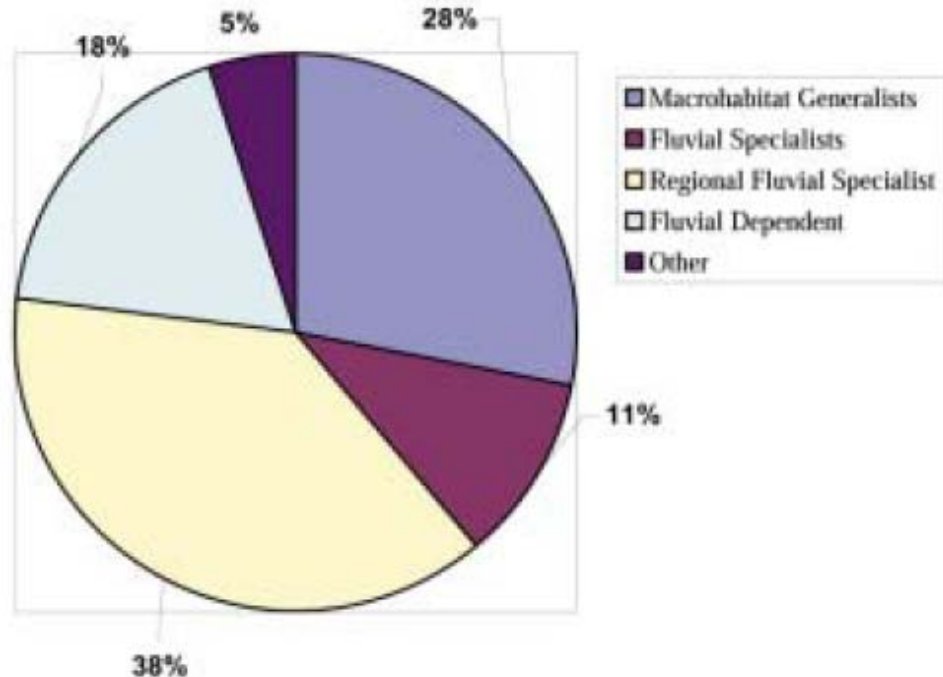


Conduct Target Fish Assessments

Existing Ipswich River Fish Community



Ipswich River Target Fish Community



Improve Fish Passage

Dam Removal Permit Streamlining



Prior to removal, April 2000

**Silk Mill Dam on Yokum
Brook in Becket**



After removal, March 2003

Water Resource Management and Conservation

is critical to ensuring....

- Adequate water supply
- Protection of natural resources

and requires....

- Effort by state, municipalities, industry, individuals
- \$\$
- Innovation
- Perseverance

